

Building Construction MCQ Question Answer

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Question: 1. The compaction of concrete in the drilled pile hole is done by compressed air in the case of

- Option A. Simplex pile
- Option B. Franki pile
- Option C. Pressure pile
- Option D. Vibro pile

Question: 2. The width of the hollow space between two walls of a cavity wall should not exceed

- Option A. 5 cm
- Option B. 7.5 cm
- Option C. 10 cm
- Option D. 15 cm

Question: 3. The entrained concrete is used in lining walls and roofs for making

- Option A. Heat insulated
- Option B. Sound insulated
- Option C. Neither (a) nor (b)
- Option D. Both (a) and (b)

Question: 4. The type of arch used for high class buildings where appearance is of prime importance, is known as

- Option A. Ashlar arch
- Option B. Rubble arch
- Option C. Gauged brick arch
- Option D. Axed brick arch

Question: 5. Pick up the correct statement from the following:

- Option A. The bearing capacity of a pile is defined as the load which can be sustained by the pile without producing excessive settlement
- Option B. The safe bearing capacity of a pile is obtained by dividing the ultimate bearing capacity with a suitable factor of safety
- Option C. The factor of safety for piles is taken as 6
- Option D. All the above

Question: 6. Rotary drilling

- Option A. Is not suitable for deposits containing very coarse gravel
- Option B. Hinders the ground water observations and permeability test
- Option C. Is not economical for holes of less than 10 cm

Option D. All the above

Question: 7. The range of spread from the wall base to outer edge of a brick work foundation does not exceed

Option A. 1/2 horizontal to 1 vertical

Option B. 2/3 horizontal to 1 vertical

Option C. 1 horizontal to 1 vertical

Option D. 2 horizontals to 1 vertical

Question: 8. The type of stone masonry in which stones of same height are laid in layers, is called

Option A. Random rubble masonry

Option B. Course rubble masonry

Option C. Uncoursed rubble masonry

Option D. Ashlar masonry

Question: 9. Pick up the correct statement from the following:

Option A. Inclined borings are made for taking samples under existing structures

Option B. Inclined borings are occasionally used instead of vertical holes

Option C. The spacing of inclined borings is kept such that one bore hole is vertically above the bottom of an adjacent bore hole

Option D. All the above

Question: 10. The type of pointing in which a V-shaped projection outside the wall surface, is provided, is called

Option A. Recessed pointing

Option B. Weather pointing

Option C. V-pointing

Option D. Tuck pointing

Question: 11. Pick up the correct statement from the following:

Option A. Sand consists of coarse particles of silica formed due to the disintegration of rocks

Option B. The grains of sand are not affected by frost

Option C. Sand beds are permeable and do not allow water to rise up between pores due to capillary action

Option D. All the above

Question: 12. The pile which supports the load due to friction between pile face and surrounding soil, is generally known as

Option A. Bearing pile

Option B. Friction pile

Option C. Sheet pile

Option D. Battered pile

Question: 13. Pick up the correct statement from the following:

- Option A. Isolated footing is provided under column to transfer the load safely to soil bed
- Option B. Column footings may have steps or projections in the concrete base
- Option C. Heavily loaded column base must be provided steel reinforcement in both directions
- Option D. All the above

Question: 14. The position of a brick when laid on its side 9 cm × 9 cm with its frog in the vertical plane, is called

- Option A. Brick on edge
- Option B. Brick on end
- Option C. Brick on bed
- Option D. Brick held vertically

Question: 15. In places where the soil is soft and has small resistance to the flow of concrete, which one of the following types of piles, is used

- Option A. Vibro pile
- Option B. Pressure pile
- Option C. Franki pile
- Option D. Pedestal pile

Question: 16. During percussion drilling

- Option A. Ground water observations are hindered due to entry of the slurry in the soil below the bottom of the hole
- Option B. Caving or mixing of strata are caused in soft soils or cohesionless soils
- Option C. The soil to a considerable depth below the bottom of the hole gets disturbed
- Option D. All the above

Question: 17. A wooden block hinged on post outside a door, is known

- Option A. Cleat
- Option B. Stop
- Option C. Horn
- Option D. None of these

Question: 18. The skirting/dado in a bath room should be upto

- Option A. Ceiling
- Option B. 15 cm above floor level
- Option C. 200 cm
- Option D. Level of the tap

Question: 19. Pick up the correct statement from the following:

- Option A. The pile driven in sand is called sand pile
- Option B. The drilled hole filled with sand is called sand pile

Option C. The sand piles are used for bearing purposes

Option D. None of these

Question: 20. The horizontal timber piece provided at the apex of a roof truss which supports the common rafter is called

Option A. Ridge board

Option B. Hip rafter

Option C. Eaves board

Option D. Valley rafter

Question: 21. The mortar in which both cement and lime are used as binding materials, is called

Option A. Cement mortar

Option B. Lime mortar

Option C. Fire resistant mortar

Option D. Gauged mortar

Question: 22. In the method of tube boring of soil investigation, the following is essential:

Option A. A tube of about 2 metres length and 20 cm diameter with a cutting edge

Option B. A flap valve at the bottom of tube is provided to extract the soil sample

Option C. The tube is raised and lowered by 4 thick rope moving over a pulley suspended on a tripod stand

Option D. All the above

Question: 23. In clay soil

Option A. Swelling and shrinkage characteristics prevail

Option B. Consolidation continues even after several years of construction

Option C. Differential settlement is generally prevalent

Option D. All the above

Question: 24. The triangular portion between any two adjacent arches and the tangent to their crowns, is

Option A. Haunch

Option B. Spandril

Option C. Soffit

Option D. Rise

Question: 25. The maximum bearing capacity of soil is that of

Option A. Black cotton soil

Option B. Loose fine sandy soil

Option C. Dry coarse sandy soil

Option D. Hard rocks

Question: 26. The maximum total settlement for isolated foundations on clayey soils should be

limited to

Option A. 25 mm

Option B. 40 mm

Option C. 65 mm

Option D. 100 mm

Question: 27. Pick up the correct statement from the following:

Option A. In a king post truss, principal rafter and tie beams are jointed together with a bridle joint

Option B. Joint between the principal rafter and the king post is made by making tenon and mortise respectively

Option C. Joint between strut and king post, is generally of mortise and tenon type

Option D. All the above

Question: 28. The inclined support at the ends of treads and rises of a stair, is known as

Option A. Baluster

Option B. Header

Option C. String

Option D. Beam

Question: 29. The concrete slump recommended for foundations, is

Option A. 25 to 50 mm

Option B. 30 to 125 mm

Option C. 50 to 100 mm

Option D. 75 to 125 mm

Question: 30. The line of intersection of the surfaces of a sloping roof forming an external angle exceeding 180° , is

Option A. Ridge

Option B. Hip

Option C. Valley

Option D. None of these

Answer Sheet

1	C	
2	C	
3	D	
4	A	
5	D	
6	D	
7	C	
8	B	
9	D	
10	B	
11	D	
12	B	
13	D	
14	B	
15	A	
16	D	
17	A	
18	C	
19	A	
20	A	
21	D	
22	D	
23	D	
24	B	
25	D	
26	C	
27	D	
28	C	
29	C	
30	B	